

Fig. 1

6

Clone 1 cDNA: malate dehydrogenase 2
Clone ID: 1500012M15 3
DNA sequence 4
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Clone 2 cDNA: isocitrate dehydrogenase (NAD)
Clone ID: 1500012E04
DNA sequence
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Clone 3 cDNA: isocitrate dehydrogenase (NADP)
Clone ID: E030024J03
DNA sequence
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Clone 4 cDNA: oxoglutarate dehydrogenase (lipoamine)
Clone ID: E430020N12
DNA sequence
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Procedures
To amplify cDNA inserts, cut out the 4 mm X 4 mm area spotted with DNA, place it into a PCR tube, add 25 μ of water, centrifuge the resulting solution, and then initiate PCR cycle. The spot contains Taq DNA polymerase, an aptamer against the Taq DNA polymerase, trehalose, a PCR buffer, PCR primers (-21M13: 5'-TGTAACGACGGCCAGT-3', 1233-Rv:5'-AGCGGATAACAATTCACACAGGA-3'), each of dATP, dGTP, dCTP and dTTP, and MgCl₂. After centrifuging the resulting solution, the PCR cycle is initiated. PCR cycles comprise 2 min at 94°C, 29 cycles of denaturing (94°C, 1 min), annealing (60°C, 1 min) and extension (68°C, 75 sec), and 15 min at 74°C.

Clone 1
Clone 2
Clone 3
Clone 4

1

5

Fig. 2

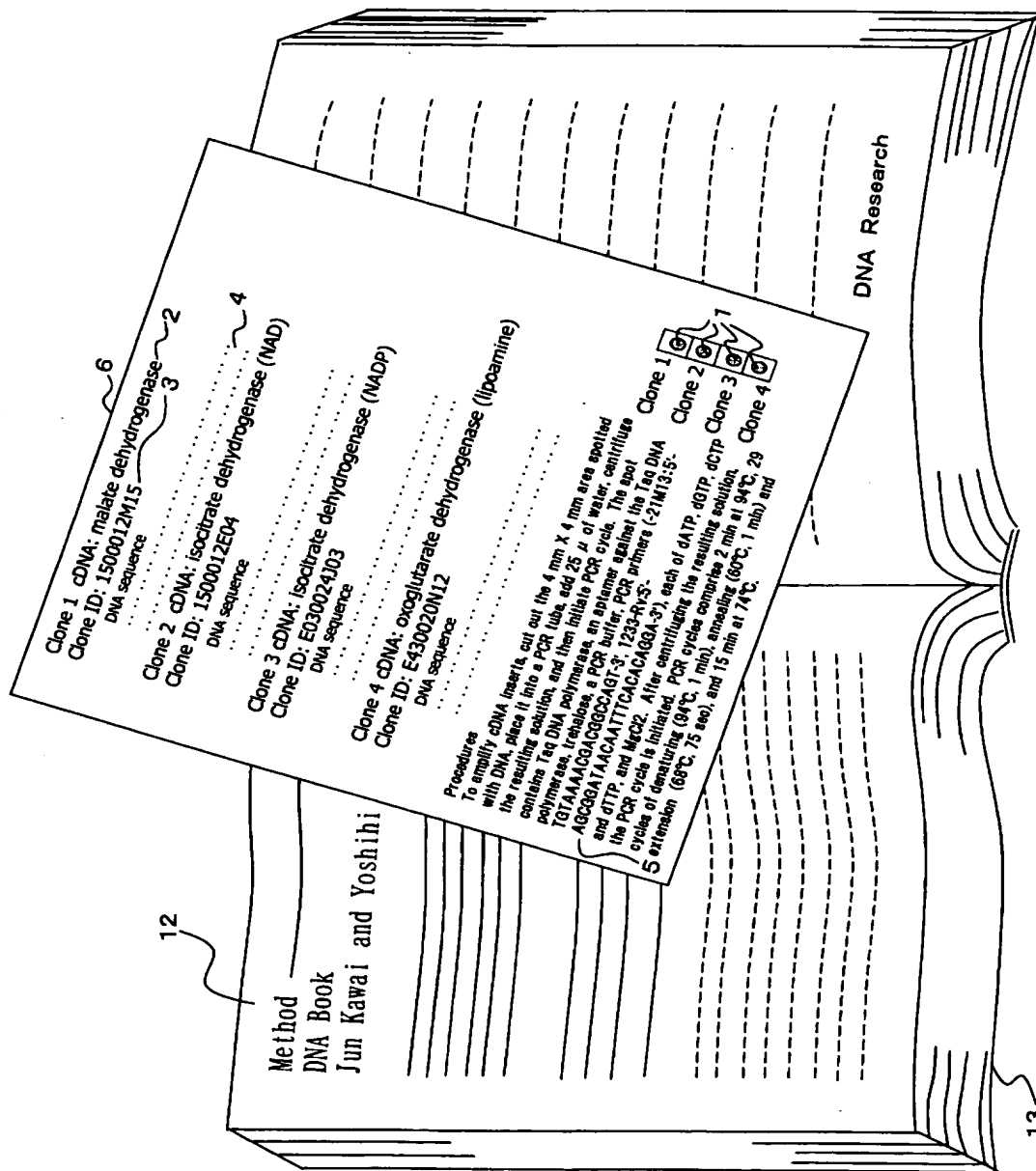


Fig. 3

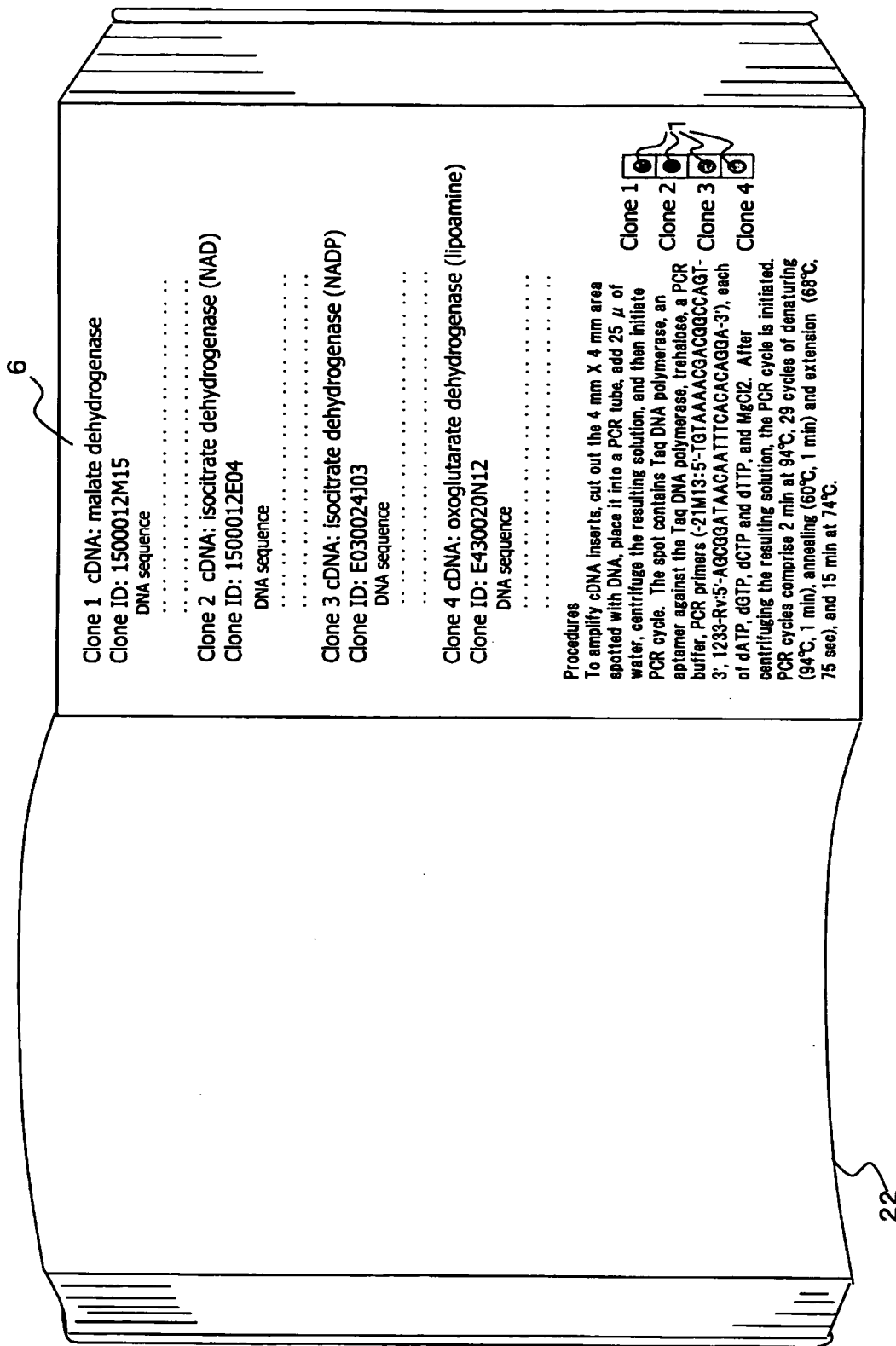


Fig. 4

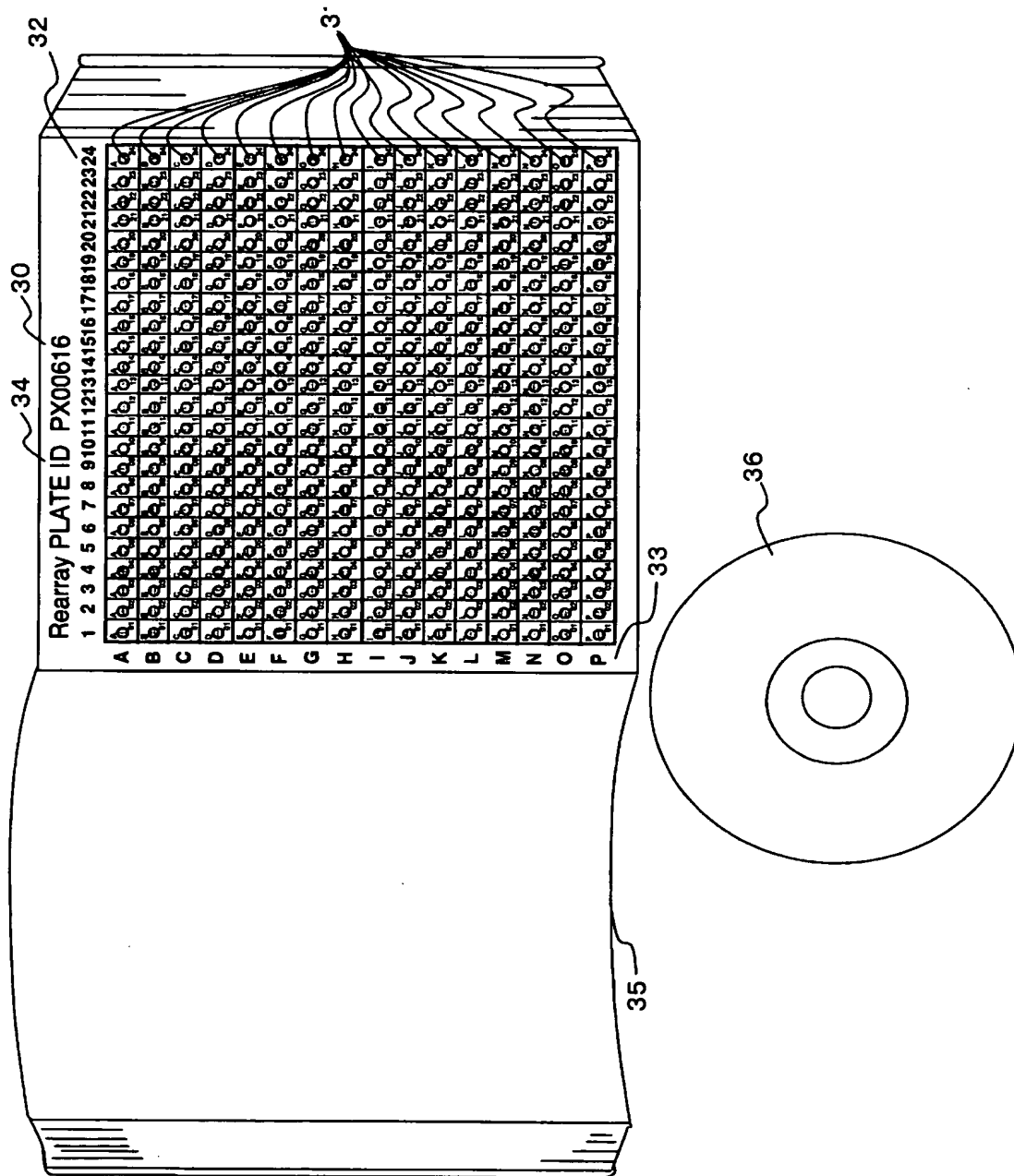


Fig. 5

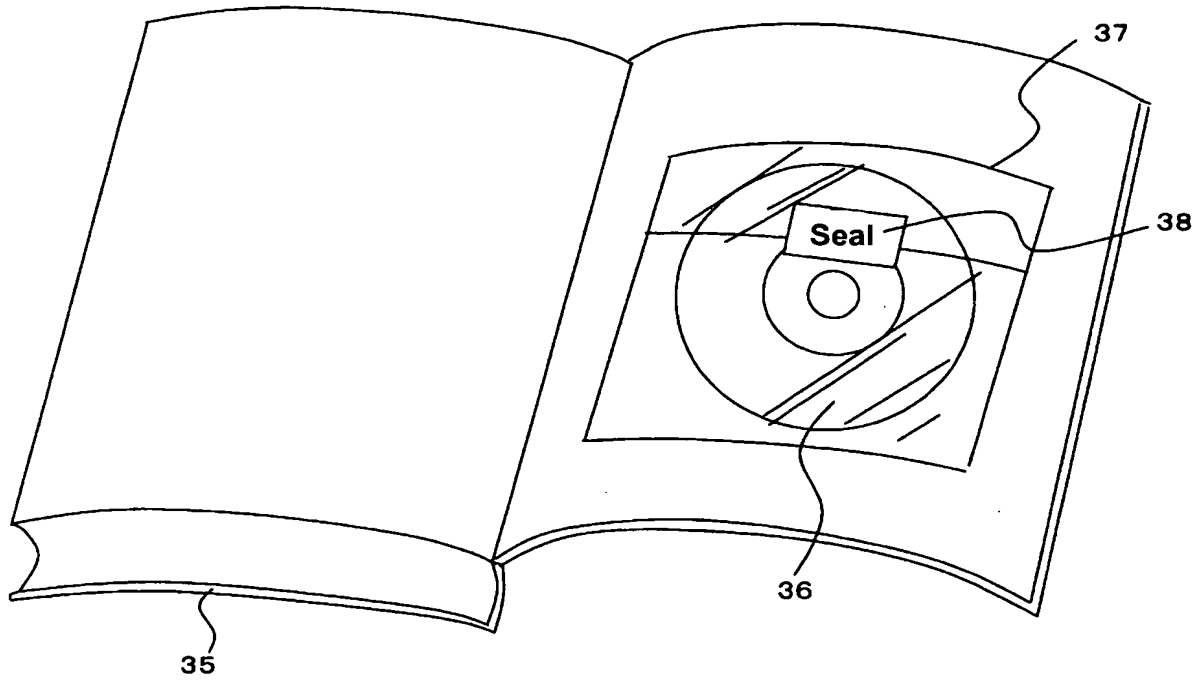


Fig. 6

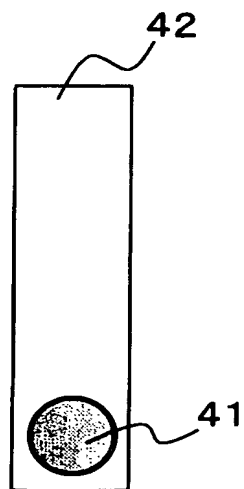


Fig. 7

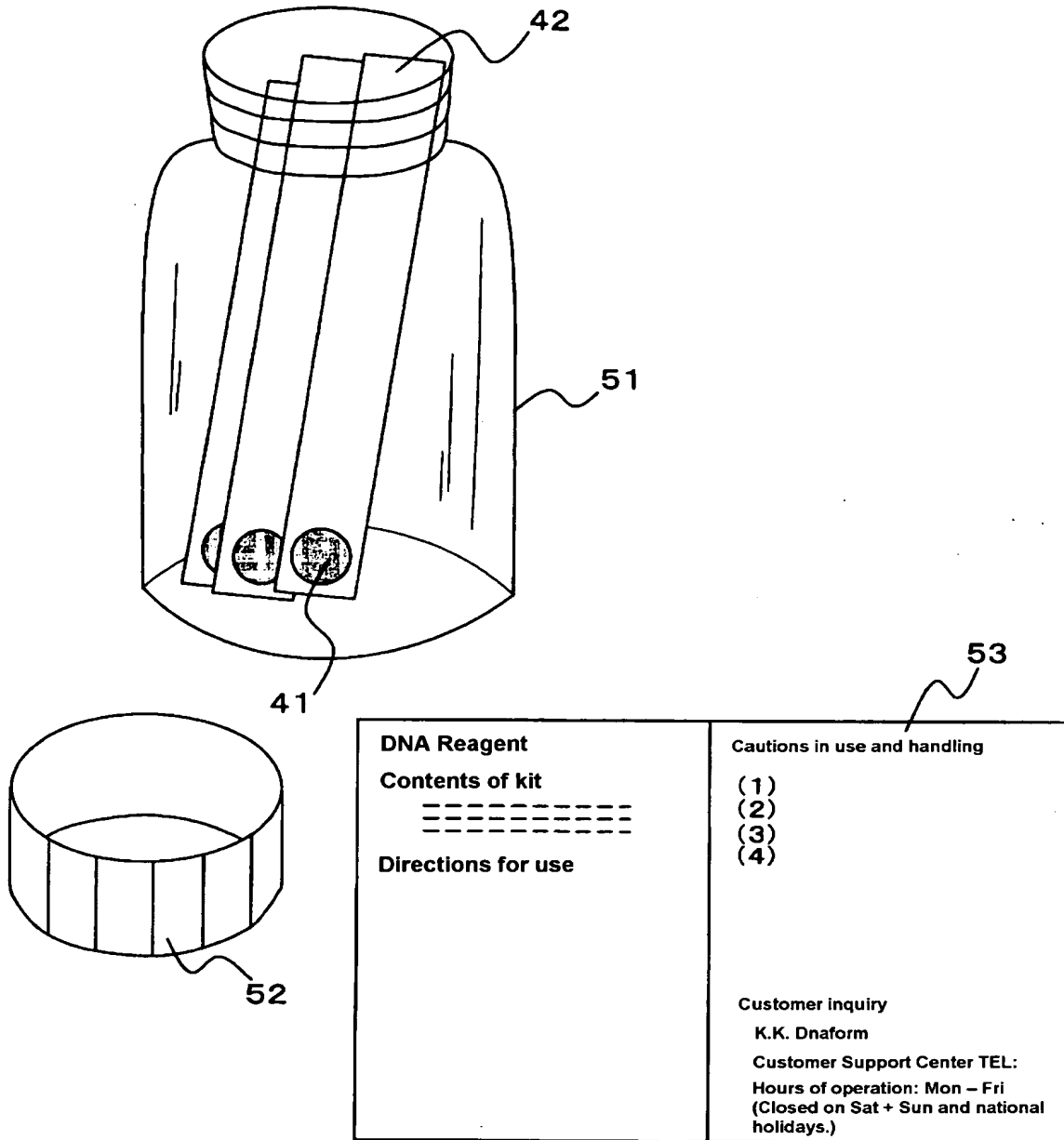


Fig. 8

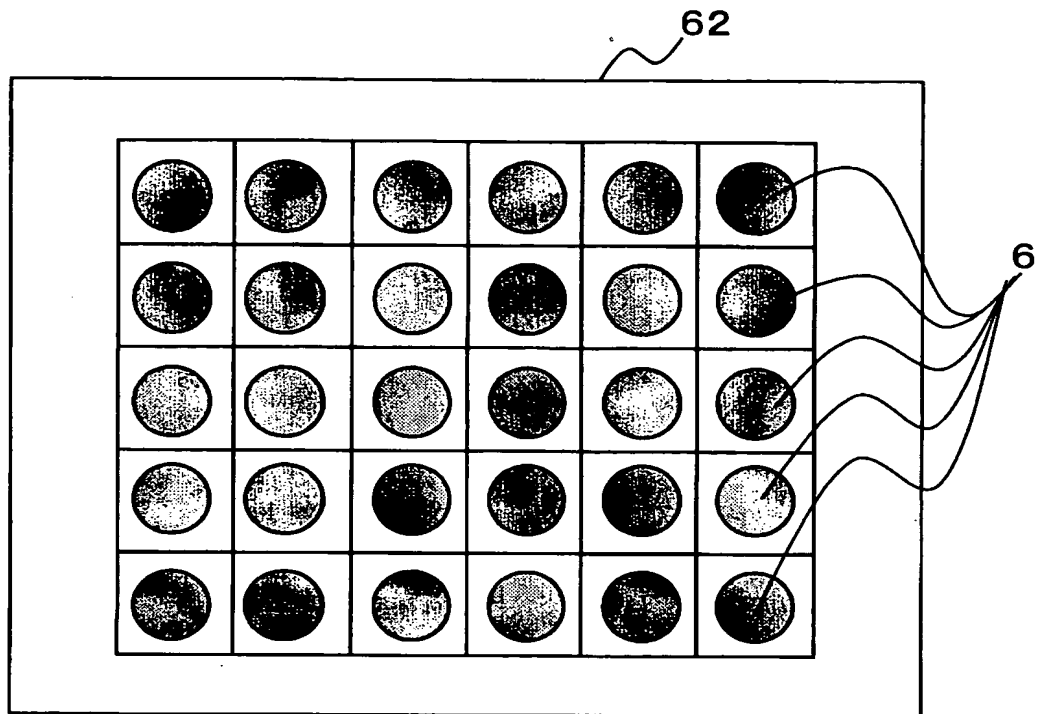
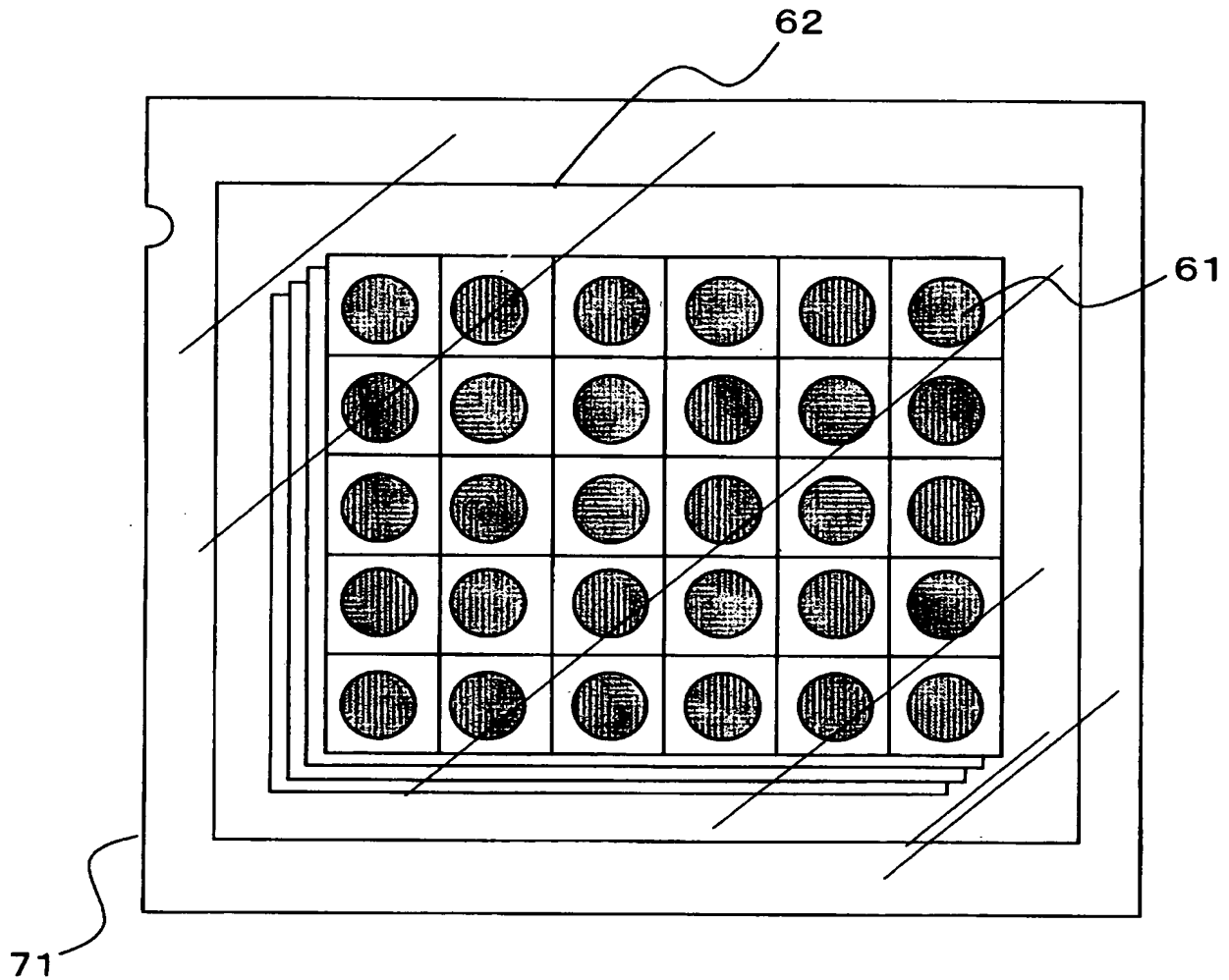
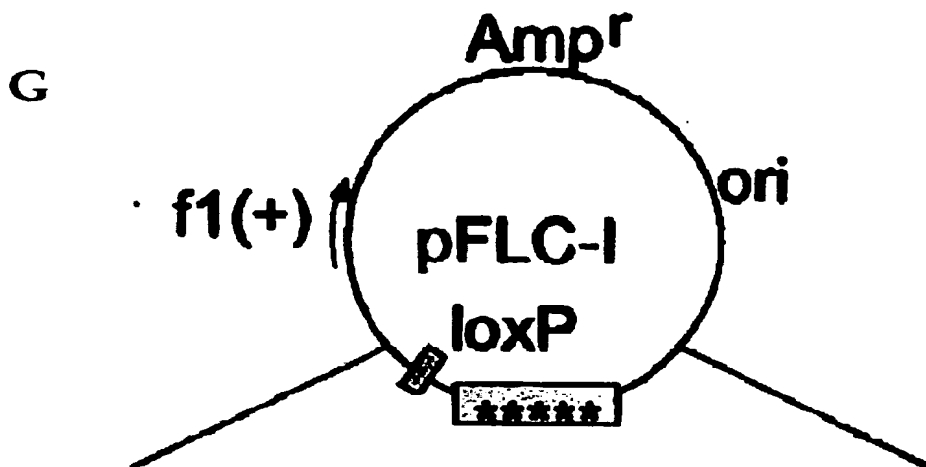


Fig. 9



<p>DNA Reagent</p> <p>Contents of kit</p> <p>-----</p> <p>-----</p> <p>Directions for use</p> <p>-----</p> <p>-----</p> <p>-----</p> <p>-----</p> <p>-----</p> <p>-----</p> <p>-----</p>	<p>Cautions in use and handling</p> <p>(1) -----</p> <p>(2) -----</p> <p>(3) -----</p> <p>(4) -----</p> <p>Customer inquiry</p> <p>K.K. Dnaform</p> <p>Customer Support Center TEL:</p> <p>Hours of operation: Mon – Fri</p> <p>(Closed on Sat + Sun and national holidays.)</p>
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Fig. 10



Fwd T7 loxP Sfi I Sal I ***** Bam HI Sfi I T3 Rev
TGTAAAACGACGGCCAGTGAATTGT AATACGACTCACTATAGGCGGAATTGGAGC
TCCACCGCGGTGCCCGCCGCCATAACTTCGTATAGCATACATTATACGAAATTATG
GATCAGGCCAAATCGGCCGAGCTCGAATTCGTCGAC*****

GGATCCCGCCATAAGGGCC TGATCCTTCGAGGGGGGGCCCGGTACCAGCTTTTGT
TCCCTTAGTGAGGGTTAATTTCGAGCTTGGCGTAATCATGTCATAGCTGTTTC
CTGTGTGAAATTGTT

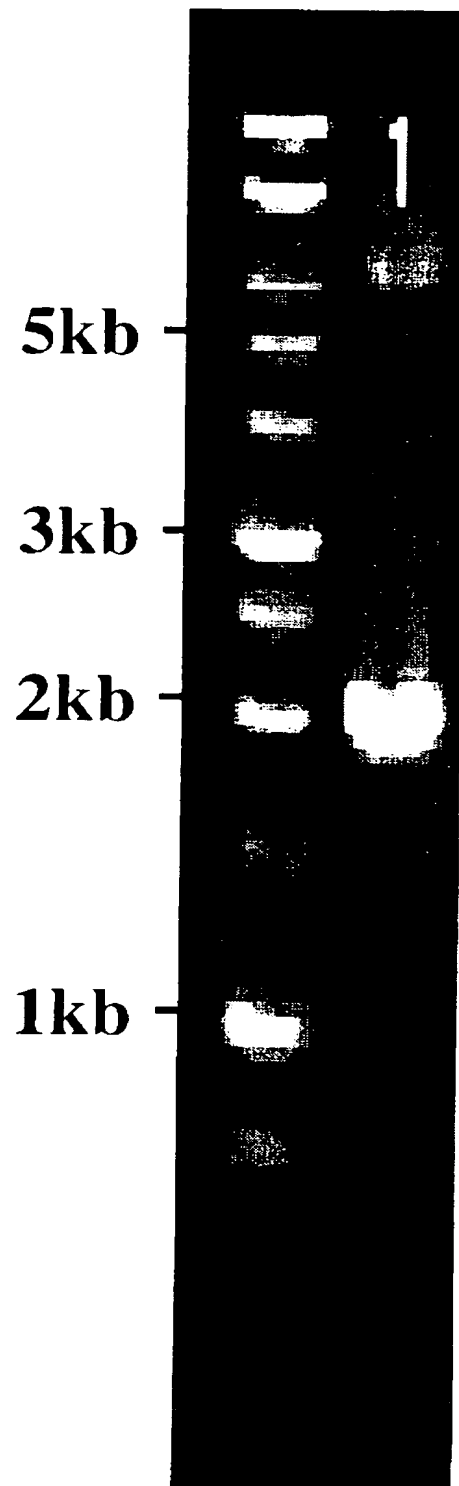
Fig. 11

	cDNA: malate dehydrogenase
	Clone ID: 1500012M15
	DNA sequence

	Amino acid sequence

	Primer
	—21M13 : 5'-TGTAACGACGGCCAGT-3'
	1233-Rv : 5'-AGCGGATAACAATTTACACAGGA-3'
	malate dehydrogenase cDNA
	primers

Fig. 12



DNA sequence

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	8												

– 21M13 : 5'-TGTAACGACGGCCAGT-3'
1233-Rv : 5'-AGCGGATAACAATTCACACAGGA-3'

Amplification mixture for human luteinizing hormone



Fig. 14

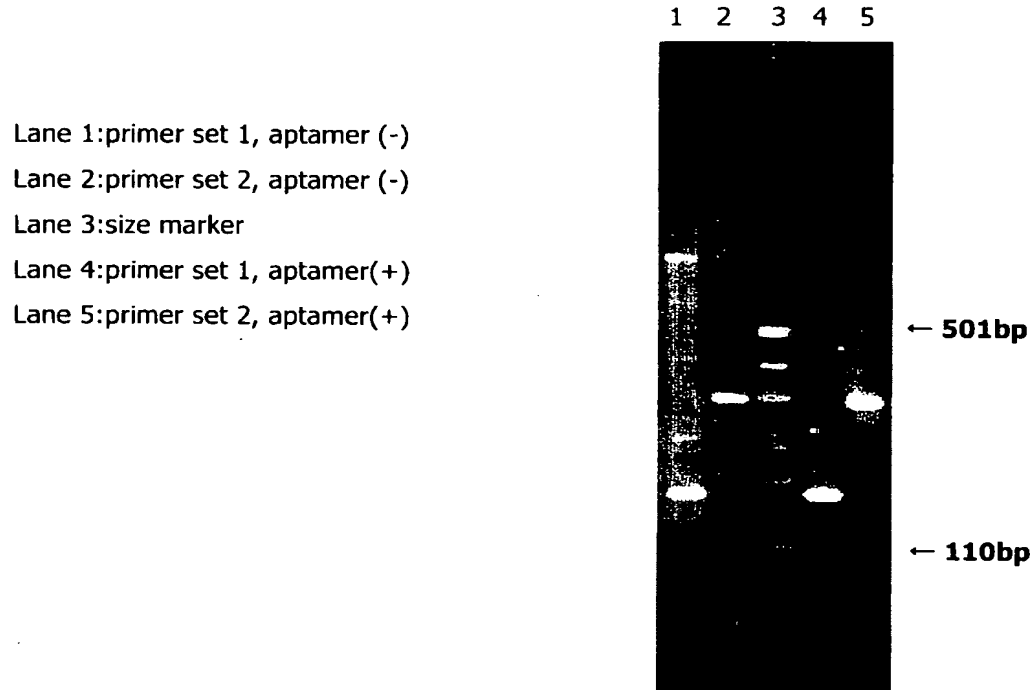


Fig. 15

Clone 1 cDNA: malate dehydrogenase
Clone ID: 1500012M15

DNA sequence

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Clone 2 cDNA: isocitrate dehydrogenase (NAD)
Clone ID: 1500012E04

DNA sequence

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Clone 3 cDNA: isocitrate dehydrogenase (NADP)
Clone ID: E030024J03

DNA sequence

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Clone 4 cDNA: oxoglutarate dehydrogenase (lipoamine)
Clone ID: E430020N12

DNA sequence

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Clone 1



Clone 2



Clone 3



Clone 4



Fig. 16

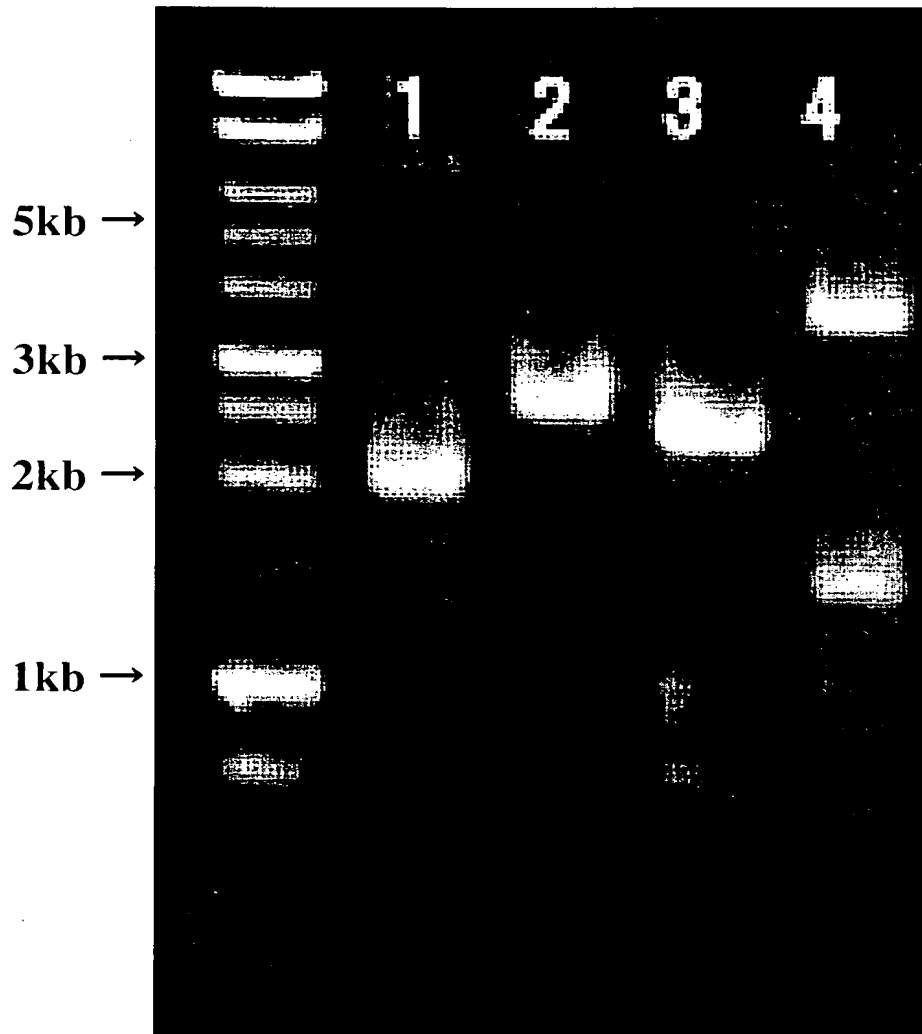
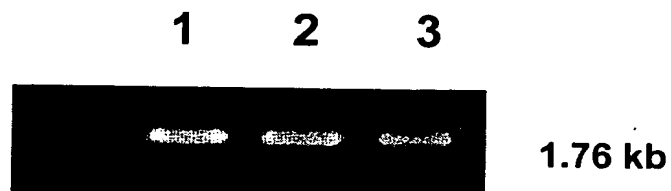


Fig. 17



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